

From the INTERNATIONAL SEARCHING AUTHORITY						
To: GREGORY N. CLEMENTS DOUGHERTY & CLEMENTS LLP	PCT					
6230 FAIRVIEW ROAD, SUITE 400 CHARLOTTE, NC 28210	NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT OR THE DECLARATION					
	(PCT Rule 44.1)					
	Date of Mailing (day/month/year). 0 1 MAY 2002					
Applicant's or agent's file reference 2001/13 PCT	FOR FURTHER ACTION See paragraphs 1 and 4 below					
International application No. PCT/US02/00153	International filing date (day/month/year)					
	03 January 2002 (03.01.2002)					
ARTEVA TECHNOLOGIES S.A.R.L.						
The applicant is hereby notified that the international sear	rch report has been established and is transmitted herewith.					
Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the cla	aims of the international application (see Rule 46).					
•	normally two months from the date of transmittal of the					
Where? Directly to the International Bureau of WIPO						
	1211 Geneva 20, Switzerland, Facsimile No.: (41-22) 740.14.35 For more detailed instructions, see the notes on the accompanying sheet.					
2. The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.						
3. With regard to the protest against payment of (an) addit	ional fee(s) under Rule 40.2, the applicant is notified that:					
	en transmitted to the International Bureau together with the protest and the decision thereon to the designated Offices.					
no decision has been made yet on the protest; the ap	plicant will be notified as soon as a decision is made.					
4. Reminders						
Shortly after 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90 bis.1 and 90 bis.3, respectively, before the completion of the technical preparations for international publication.						
Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise the applicant must, within 20 months from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices.						
In respect of other designated Offices, the time limit of 30 month	ns (or later) will apply even if no demand is filed within 19 months.					
See the Annex to Form PCT/IB/301 and, for details about the applicable time limits. Office by Office, see the PCT Applicant's Guide, Volume II, National Chapters and the WIPO Internet site.						

Name and mailing address of the ISA/US Commissioner for Patents Box PCT Authorized officer Jean Proctor Paralegal Sp. Victor Leo B. Tentoni Washington, D.C. 20231
Facsimile No. (703)305-3230
Form PCT/ISA/220 (April 2002) Telephone No. (703) 308-0661



PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

2001	licant's or agent's file reference 1/13 PCT	FOR FURTHER ACTION	see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.					
	rnational application No. P/US02/00153	International filing date (day/mont 03 January 2002 (03.01.2002)	h/year)	(Earliest) Priority Date (day/month/year)				
	Applicant ARTEVA TECHNOLOGIES S.A.R.L.							
acco	This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau. This international search report consists of a total of sheets.							
ļ		by a copy of each prior art docum	ent cited i	in this report.				
1. 1	Basis of the Report a. With regard to the language, the language in which it was filed,	ne international search was carried o unless otherwise indicated under thi	ut on the h	pasis of the international application in the				
b	the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)). b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing:							
	contained in the international	application in written form.						
	filed together with the interna	tional application in computer reada	ble form.					
	furnished subsequently to this	Authority in written form.						
	furnished subsequently to this	Authority in computer readable for	m.					
į	the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.							
	the statement that the informal been furnished.	tion recorded in computer readable	form is ide	entical to the written sequence listing has				
2.	Certain claims were found u	nsearchable (See Box I).						
3.	Unity of invention is lacking	(See Box II).						
4. Y	With regard to the title,							
ſ	the text is approved as submitt							
Please	the text has been established by this Authority to read as follows: Please See Continuation Sheet							
5. \	With regard to the abstract,							
إ	the text is approved as submitted	ed by the applicant.						
Ĺ	the text has been established, a within one month from the date	eccording to Rule 38.2(b), by this Ale e of mailing of this international sea	uthority as rch report,	it appears in Box III. The applicant may, submit comments to this Authority.				
6. T	The figure of the drawings to be publis	hed with the abstract is Figure No.	<u>1</u>	·				
	as suggested by the applicant.			None of the figures				
Ţ	because the applicant failed to	suggest a figure.						
	because this figure better chara	cterizes the invention.						





International application No.

PCT/US02/00153

Box III TEXT OF THE ABSTRACT (Continuation of Item 5 of the first sheet)

The technical features mentioned in the abstract do not include a reference sign between parentheses (PCT Rule 8.1(d)).

NEW ABSTRACT

The present invention relates to the combination of a tension gate (18) and an air shield (24) in the relax zone of a fiber production process. The combination provides a synergistic effect over an air shield (24) alone, or a tension gate (18) alone, or the added effect of both a tension gate (18) and an air shield (24). The air shield (24) is a plate-like structure with or without perforations. The air shield plates (26,28) are placed in close proximity to a pair of rolls (20,22) following the tension gate (18). The plates (26,28) are positioned inside of the threadline between the pair of rolls (20,22). The tension gate (18) can be one or more air drag devices, one or more liquid drag devices, or one or more solid surface contact devices, or a combination of any of the above. The apparatus and the process for using the apparatus is disclosed and claimed.



International application No.

PCT/US02/00153

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : D01D 10/00								
US CL : 264/342RE; 425/446; 28/247, 271								
	o International Patent Classification (IPC) or to both in LDS SEARCHED	national classification and IPC						
	Minimum documentation searched (classification system followed by classification symbols) U.S.: 264/342RE; 425/446; 28/247, 271							
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched								
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)								
C. DOC	UMENTS CONSIDERED TO BE RELEVANT							
Category *	Citation of document, with indication, where		Relevant to claim No.					
A	US 5,240,667 A (ANDREWS, JR. et al) 31 Augus	1 1993 (31.08.1993).	1-29					
		·						
	·							
Further	documents are listed in the continuation of Box C.	See patent family annex.						
• Sp	pecial categories of cited documents:	"T" later document published after the int	ernational filing date or priority					
	defining the general state of the art which is not considered to be ar relevance	date and not in conflict with the appli principle or theory underlying the inv "X" document of particular relevance: the	rention					
"E" earlier app	olication or patent published on or after the international filing date	"X" document of particular relevance; the considered novel or cannot be conside when the document is taken alone						
establish the specified)	which may throw doubts on priority claim(s) or which is cited to the publication date of another citation or other special reason (as	"Y" document of particular relevance; the considered to involve an inventive ste combined with one or more other suc	p when the document is					
	referring to an oral disclosure, use, exhibition or other means	being obvious to a person skilled in th						
'P" document priority da	published prior to the international filing date but later than the te claimed	"&" document member of the same patent	family					
Date of the actual completion of the international search D5 April 2002 (05.04.2002)		Date of mailing of the international sear	ch report					
	iling address of the ISA/US	Authorized officer						
Commissioner of Patents and Trademarks Box PCT		· · · ·	r Proctor and Proctor and Proctor and Process and Proc					
Washington, D.C. 20231 Facsimile No. (703)305-3230		Telephone No. (703) 308-0661	negat opegation					



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International application No.

PCT/US02/00153

Continuation of Item 4 of the first sheet: Title is too long (PCT Rule 4.3).						
The new title is: YARN MAKING PROCESS AND APPARATUS						
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